

REMARKS

Claims 1-31 are in the application.

Claims 10, 17, 18, 21 and 26-29 are amended.

Claims 1-9 and 22-28 are allowed, and claims 17-18, 21 and 30-31 were indicated as including allowable subject matter.

Claims 10-15, 17-18, 21 and 26-31 are rejected under 35 U.S.C. § 101, as allegedly being directed toward non-statutory subject matter. Without prejudice or disclaimer, each of the rejected independent claims has been amended to recite that the informational output is "computer-generated", which is supported in the specification, and is further derived from the language of pending claim 1. It is therefore respectfully submitted that the rejection is overcome, and no new matter added, and no new issues raised.

Without prejudice or disclaimer to applicant's right to file a continuation application, or later contest the application of the cited references, applicants have accepted herein the claims deemed allowable by the Examiner. Claim 10 has been amended to adopt the limitation of allowable claim 21 and 28, and thus claims 10-16 and 19-20 are allowable on that basis. Claim 29 has been amended to incorporate the limitation of claim 21, and is therefore believed to be allowable on that basis.

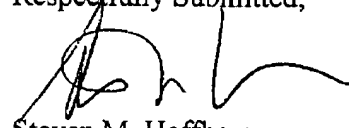
Claim 21, now redundant, has been amended to recite a generic a generic formulation of claims 17-18, dependent from system claim 22.

Claim 28, previously redundant with claim 21, is amended to provide that the model is sequence dependent, and the output or transmission line adopt the optimal sequence.

Claim 29 is amended to include the limitations of claims 17 or 18, and is believed allowable on that basis. In addition, claim 29 has been amended to recite a narrower invention, which requires that the evaluation of the model be iterative, and encompass analysis of interaction between distant segments. While these are not identical to elements of the claims presented, it is believed that since the claim is otherwise allowable without reference to these amendments, and therefore that no new issues of patentability are raised.

It is therefore respectfully submitted that the claims are allowable.

Respectfully Submitted,



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April 5, 2005